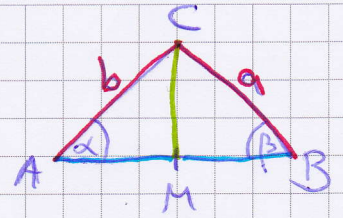
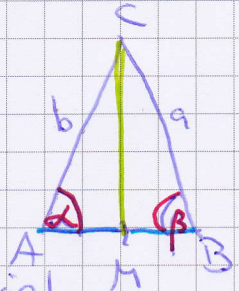


Vor: $a \cong b \Rightarrow \alpha \cong \beta$
 Beh: $\alpha \cong \beta$
 Basiswinkelsatz



- 1) \exists Punkt M. $|AM| = |BM|$ | Ex. und
 End. des MP_s
- 2) $b \cong a$ | $\overline{MC} \cong \overline{MC}$ | $\overline{AM} \cong \overline{BM}$ | Vor., trivial, 1
- 3) $\overline{AMC} \cong \overline{BMC}$ | 2, SSS
- 4) $\alpha \cong \beta$ | 3, Δ -Kongruenz

$\alpha \cong \beta \Rightarrow a \cong b$
 Umkehrung d. Basiswinkelsatzes



- 1) \exists Punkt M. $\overline{AM} \cong \overline{BM}$ | Ex. und
 End. des MP_s
- 2) $\alpha \cong \beta$ | $\overline{AM} \cong \overline{BM}$ | $\overline{MC} \cong \overline{MC}$ | Vor., 1, trivial
- 3) $\overline{AMC} \cong \overline{BMC}$ | 2, SSW
- 4) $a \cong b$ | 3, Δ -Kongruenz